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Serigraphed antenna for the rear window of a saloon-
type car

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This application is a 371 of PCT/FR05/00268 dated 2/7/2005.

The present invention relates to antennas used on motor
5 vehicles, more particularly antennas screen printed on
the rear window of such vehicles and especially saloon
type motor vehicles.

The antennas intended to be fitted onboard touring or
10 commercial vehicles are increasingly integrated so that
they are no longer visible from outside the vehicle, so
affording the latter a more harmonious appearance, in
line with the current tastes of the public. The
drawbacks associated with the use of projecting
15 equipment, which relate to aerodynamics, noise,
vibration, seal tightness and vandalism, are thus
strongly reduced.

It is important for the antenna to be placed in an
20 environment such that it can continue to provide its
essential function which consists in transducing an
electromagnetic field (outside the vehicle) into an
electrical signal that can be used by a radio device.

25 A trade-off therefore always has to be found, between
the position of the antenna that is required to be as
little visible as possible and its radiation
performance characteristics that are affected all the
more so when the radiative structure of the antenna is
30 incorporated in the vehicle and in particular close to
its metallic parts.

On the other hand, motor vehicle manufacturers are
strongly interested in a single, so-called
35 "multifunction" box, comprising a number of functions,
which makes it possible to simplify integration into
the vehicle and the running of the cables linking this
box to the car radio reception device or to the device
that requires signals received by the antenna.